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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/313,292

DATE: 05/26/1999

TIME: 14:06:48

Input Set: I313292.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: Williams, Lewis T.
2 Escobedo, Jaime
3 Innis, Michael A.
4 Garcia, Pablo Dominiguez
5 Sudduth-Klinger, Julie
6 Reinhard, Christoph
7 Giese, Klaus
8 Randazzo, Filippo
9 Kennedy, Giulia C.
10 Pot, David
11 Kassam, Altaf
12 Lamson, George
13 Drmanac, Radoje
14 Crkvenjakov, Radomir
15 Dickson, Mark
16 Drmanac, Snezana
17 Labat, Ivan
18 Leshkowitz, Dena
19 Kita, David
20 Garcia, Veronica
21 Jones, Lee William
22 Stache-Crain, Birgit
23 <120> TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
24 PRODUCTS V
25 <130> FILE REFERENCE: 2300-1487CIP
26 <140> CURRENT APPLICATION NUMBER: US/09/313,292
27 <141> CURRENT FILING DATE: 1999-05-13
28 <150> EARLIER APPLICATION NUMBER: 60/085,426
29 <151> EARLIER FILING DATE: 1998-05-14
30 <150> EARLIER APPLICATION NUMBER: 60/085,537
31 <151> EARLIER FILING DATE: 1998-05-15
32 <150> EARLIER APPLICATION NUMBER: 60/085,696
33 <151> EARLIER FILING DATE: 1998-05-15
34 <150> EARLIER APPLICATION NUMBER: 60/105,234
35 <151> EARLIER FILING DATE: 1998-10-21
36 <150> EARLIER APPLICATION NUMBER: 60/105,877
37 <151> EARLIER FILING DATE: 1998-10-27
38 <160> NUMBER OF SEQ ID NOS: 2707
39 <170> SOFTWARE: FastSEQ for Windows Version 3.0
40 <210> SEQ ID NO 1
41 <211> LENGTH: 264
42 <212> TYPE: DNA
43 <213> ORGANISM: Homo sapiens
44 <220> FEATURE:

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47 <223> OTHER INFORMATION: n = A,T,C or G
48 <400> SEQUENCE: 1
49      gttcatccat aatgtagcat gtatcagaag ttcattttctt tttatggctg aacaagattc      60
W--> 50      cattgtgtga ttagattgca ttttctttat cegtctgttg atggacgttt ggggttgtnc      120
W--> 51      cacncttntg ccngagntcg aaacnnnctn ananactat gctgtggncn cntgccnatn      180
W--> 52      tctncanctc aanngnnnca gnetgtacnc nntnntgaan anncngncan ncancnacnn      240
W--> 53      gctannnnnta tannacnntn cntc      264
54 <210> SEQ ID NO 2
55 <211> LENGTH: 266
56 <212> TYPE: DNA
57 <213> ORGANISM: Homo sapiens
58 <220> FEATURE:
59 <221> NAME/KEY: misc_feature
60 <222> LOCATION: (1)...(266)
61 <223> OTHER INFORMATION: n = A,T,C or G
62 <400> SEQUENCE: 2
63      gtctcgctct gtcgcccagg ttggagtgcg gtggcgcaat ctgggctcac tgcaagctcc      60
64      gcctcccggg ttcacgccat tctcctgect cagcctcctg agtagctggg actacaggcc      120
W--> 65      cctgccnate taattctttg gntaaanntt ntcnntcttg natctccatn gccatgatnt      180
W--> 66      tataaatttg ntttcnnant tattnccttn tttttcnngg anantanngg nttngctttt      240
W--> 67      tanntgattc ngntnnttca nnanag      266
68 <210> SEQ ID NO 3
69 <211> LENGTH: 300
70 <212> TYPE: DNA
71 <213> ORGANISM: Homo sapiens
72 <220> FEATURE:
73 <221> NAME/KEY: misc_feature
74 <222> LOCATION: (1)...(300)
75 <223> OTHER INFORMATION: n = A,T,C or G
76 <400> SEQUENCE: 3
77      ctaatcatag gcacaacatc tcagactaca tcggatttca gataaggtta gtactgatgc      60
78      taaggtctaa ttttttaact tttattaatg aatacctttt ttaaaatagg tttttgtgtc      120
W--> 79      attatggtta ttgacctagt ttgatactca aaacatgact cttagtctaa cttannngntg      180
W--> 80      tttaaacctg agtancncnc agaccctttt tnanngnnaa cnnantttctc ntggatccca      240
W--> 81      gctgttgtcn ttttgtnggn cncntntnt ntatngnctng tntantncaa cntctgctcg      300
82 <210> SEQ ID NO 4
83 <211> LENGTH: 288
84 <212> TYPE: DNA
85 <213> ORGANISM: Homo sapiens
86 <220> FEATURE:
87 <221> NAME/KEY: misc_feature
88 <222> LOCATION: (1)...(288)
89 <223> OTHER INFORMATION: n = A,T,C or G
90 <400> SEQUENCE: 4
91      gcttgatttg tggcttgaag tttgaaagga agtgccctgtt tgttcagggg acaccaattg      60
92      qactaacagc tgacctctgt attaaggcca tcttttagctt gtcttgcata tactttcctt      120
W--> 93      gttcactaat cccttctccc caccctgctt ccttttagacc catgttaate tattacctnn      180
W--> 94      gagcngctct agattctaga gttgncantg actaatntcn cngannctct nattctgttg      240

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W--> 95      agcttaatng nctctcnaat ttntactga tgttcnttn ttagactt      288
96      <210> SEQ ID NO 5
97      <211> LENGTH: 292
98      <212> TYPE: DNA
99      <213> ORGANISM: Homo sapiens
100     <220> FEATURE:
101     <221> NAME/KEY: misc_feature
102     <222> LOCATION: (1)...(292)
103     <223> OTHER INFORMATION: n = A,T,C or G
104     <400> SEQUENCE: 5
105      atctcttct cccggaattc aagtaaggca tgtctacacc cctctacga caaagcattt      60
W--> 106      ctacccata agacagtcaa cgacttnann cnangancac agagggnatg nggtcggcnc      120
W--> 107      ncagagtga tgttggcgcg tgcgtgntag natctcgnag gtgttgcnegc cangagttan      180
W--> 108      ccagagtcaa tgcnnacac atagtatgag aagagcactt tntaagagmi naattnatat      240
W--> 109      gagnnnangt attttngnnt ntgtanttg cncgcttttt tnaangctat aa      292
110     <210> SEQ ID NO 6
111     <211> LENGTH: 287
112     <212> TYPE: DNA
113     <213> ORGANISM: Homo sapiens
114     <220> FEATURE:
115     <221> NAME/KEY: misc_feature
116     <222> LOCATION: (1)...(287)
117     <223> OTHER INFORMATION: n = A,T,C or G
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119      cagcaactca ggaggctgag gaaggagaat cacttgaacc cgggaggtgg aggttgacgt      60
120      gagccgagat cgccccactg tactccagcc tgggtgacag agcaagactc tgtctcaaaa      120
W--> 121      aaaaaaaaaa nncnnngna aanttttng nannggataa ntnggttnc ngggtnggaa      180
W--> 122      atnantnta ncnggnaagg gnaaaaaaag ggnggttant tngnggttt tnnanaccc      240
W--> 123      caaatnaaaa agggngnggtt ttaccnnggn aaangnnaat gttcaaa      287
124     <210> SEQ ID NO 7
125     <211> LENGTH: 294
126     <212> TYPE: DNA
127     <213> ORGANISM: Homo sapiens
128     <220> FEATURE:
129     <221> NAME/KEY: misc_feature
130     <222> LOCATION: (1)...(294)
131     <223> OTHER INFORMATION: n = A,T,C or G
132     <400> SEQUENCE: 7
133      tctggccaat gtggtgaaac ttctgctcta ctaaaaatgc aaaaattagc cgggtgtggt      60
134      ggcacatgac tgtagtccca gctactcagg agactgaggc aggagaatca ctcaaacctg      120
W--> 135      ggaggtggag gttgtagtga gcngncatca ngccenttnc actncannct atgntaccnn      180
W--> 136      nctgaanntg tctcatnaa ctaatncata aatnnanacc gtntntact gtgttncca      240
W--> 137      nactgctctc anntntctgg acntcacnnt cctctctcta acctctctct ccca      294
138     <210> SEQ ID NO 8
139     <211> LENGTH: 289
140     <212> TYPE: DNA
141     <213> ORGANISM: Homo sapiens
142     <220> FEATURE:
143     <221> NAME/KEY: misc_feature
144     <222> LOCATION: (1)...(289)

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145 <223> OTHER INFORMATION: n = A,T,C or G
146 <400> SEQUENCE: 8
W--> 147 gaaagattgt ggccagatgt gcatgggctt gctgtctagt tgttgttttc antngatagt 60
W--> 148 ggggnttgcc naaanccttg naacagctta cntaatatta ctntnttttt atnnnnngntg 120
W--> 149 ctntatgnttt nantcncntt gtcaaaangn aggcattgtt acnanantaa ntnancnttt 180
W--> 150 tganancncc tatgctgttt nngngagatt ctgctttnaac ccntgatacc ttcttggnnc 240
W--> 151 ntnannntta tntgacttc tttttacaga cactnntgtt cacacactt 289
152 <210> SEQ ID NO 9
153 <211> LENGTH: 276
154 <212> TYPE: DNA
155 <213> ORGANISM: Homo sapiens
156 <220> FEATURE:
157 <221> NAME/KEY: misc_feature
158 <222> LOCATION: (1)...(276)
159 <223> OTHER INFORMATION: n = A,T,C or G
160 <400> SEQUENCE: 9
161 ttttttgtat ttttagtaga gacgggtttt caccgtgtta gccaggatgg tctcaatctc 60
162 ttgacctcgt gatacgcccg ccttggcctc ccaaagtgtt gggattacag gtgtgggcca 120
W--> 163 ccacaccag cttttttttt tttttttttt gnaaanaaaag ggncaattt tnnccaaaan 180
W--> 164 ccnnggnngn aggnnngggc ccaantnngg gntaatngaa ncntcnnctt ccagggtncn 240
W--> 165 nggnttttta ngncctaacc cncngnngaa ccggga 276
166 <210> SEQ ID NO 10
167 <211> LENGTH: 285
168 <212> TYPE: DNA
169 <213> ORGANISM: Homo sapiens
170 <220> FEATURE:
171 <221> NAME/KEY: misc_feature
172 <222> LOCATION: (1)...(285)
173 <223> OTHER INFORMATION: n = A,T,C or G
174 <400> SEQUENCE: 10
W--> 175 gaatcacttg aacccagag gcagaggttg aagtgagcca agattacgtc actgcattcc 60
W--> 176 agcctgggtg acagagcgag actccatctc aaaaaaaaaa aaaaaaaaaa aannngnnc 120
W--> 177 ttnaaaattn ntngggggcn ttntttcnaa ngnnaaacn tttatntncc cttngngggn 180
W--> 178 ngggnnnanc cngnnntnna angganggna aaannggnt ttttngaaaa ntttggnnan 240
W--> 179 tntttntttt ttttnnanc nttntaaggc ntnggnnaaa aggtt 285
180 <210> SEQ ID NO 11
181 <211> LENGTH: 288
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapiens
184 <220> FEATURE:
185 <221> NAME/KEY: misc_feature
186 <222> LOCATION: (1)...(288)
187 <223> OTHER INFORMATION: n = A,T,C or G
188 <400> SEQUENCE: 11
189 ggtggctcat gcctgtatgc ccagctattc aggaggctga ggcattgaaa tcgcttgaac 60
190 ctgggagtag aggtgcagt gagctgaaat tgcaccactg aactctagcc tgggcaacag 120
191 agtgagactt ggtctcaaaa aaaattaaaa ataaaaata aattgggggc tgagtgtggt 180
W--> 192 gntnangntn tantntcnn ttcttangna ncttgnatnt ttnaaatnt cgnnttttng 240
W--> 193 tntnnntttn tttttttnat nnatntagnt nttntntcog nttttttt 288
194 <210> SEQ ID NO 12

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195 <211> LENGTH: 299
196 <212> TYPE: DNA
197 <213> ORGANISM: Homo sapiens
198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <222> LOCATION: (1)...(299)
201 <223> OTHER INFORMATION: n = A,T,C or G
202 <400> SEQUENCE: 12
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204      tggaggttgc agtgagccga gatcgcgcca cttcactcca gctggggcga aagagcgaaa      120
W- 205      ctccatctca aaaaaaaaaa gggaanttna aaannaccng caaatgtntn gttngggaan      180
W- 206      nttntgnag ggtngngncc nttnngncct ttacntaacc cnggantnc nttaagggn      240
W--> 207      aangnggtn aaggntgtn aancncngg ngtncntgtn taaanangt ttggttccc      299
208 <210> SEQ ID NO 13
209 <211> LENGTH: 300
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapiens
212 <400> SEQUENCE: 13
213      ggaaagccct ttgtcatgaa tctgcaggat ctgtatatgg cagtcaccac acaagaggtc      60
214      caagtgggac agaagcatca aggcgctgga gatcctcata cctcaaacag tgcttccctg      120
215      caaggaatcg atagccaatg tgtaaaccag ccagaacaac tgggtctctc agccccaacc      180
216      ctctcagcac ctgagaaaaga gtccacgggt acttcaggcc ctctgcagag acctcagctg      240
217      tcaaaggtca agaggaagaa gccaaggggt ctcttcagtt aatctgttgt ggctcagct      300
218 <210> SEQ ID NO 14
219 <211> LENGTH: 270
220 <212> TYPE: DNA
221 <213> ORGANISM: Homo sapiens
222 <220> FEATURE:
223 <221> NAME/KEY: misc_feature
224 <222> LOCATION: (1)...(270)
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226 <400> SEQUENCE: 14
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228      aaatgtgtgt gtgtctctct gtgtgttgt gtgtgtgtgt gcaactcaaga cctctaacag      120
W- 229      cctcgaagcc tggggtggca tccngcctt gccattaaca tgccatgc atnatcagat      180
W- 230      gacaaggaca accctnatga cnaatcaaca tgaattaggg ggcctcttgn tcttgggtcca      240
W--> 231      aaattgtcan tcaggnatga ncatatagga      270
232 <210> SEQ ID NO 15
233 <211> LENGTH: 300
234 <212> TYPE: DNA
235 <213> ORGANISM: Homo sapiens
236 <220> FEATURE:
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238 <222> LOCATION: (1)...(300)
239 <223> OTHER INFORMATION: n = A,T,C or G
240 <400> SEQUENCE: 15
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242      qqattaatag acgtaaagcc tcttggtgtt atatggggaa agttttcgga gttttacagc      120
W- 243      acgaaaaanca ccattatgtt ngatgacata gggagaaatt ttctaataa cccacnaatg      180
W--> 244      gactaaagat taggncttt nttnangcnc cccttnattn nntnancnc nccnacttt      240

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.